

# PAVAN BHAT K S

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## OBJECTIVE

- A Job opportunity to learn and contribute in the Engineering team.

## ACADEMIC QUALIFICATION

- Bachelor of Engineering INSTITUTION: PES University  
(4th year MECHANICAL ENGINEERING) CGPA: 8.995

SEM	1 <sup>st</sup>	2 <sup>nd</sup>	3rd	4th	5 <sup>th</sup>	6th	7th	8th
SGPA	9.22	9.57	8.69	9.19	8.28	8.4	8.88	9.84

- Pre University Education INSTITUTION: KLE PU college  
Percentage: PCM: 93.67

- Secondary Education INSTITUTION: Little Lilly's Education Society  
Percentage: 92.8

## PROJECTS AND ACHIEVEMENTS:

- **Toyota Kirloskar Motors -Engineer :-Paint Process Engineering: June 2016-June 2017**
  1. **Implementation of Hot Dolly Cooling Station: July –October 2016**
    - Temperature mapping, Stand design, NDC & SOP creation for Air amplifier.
  2. **Magic gun trial October 2016:**
    - Planning & Installation of necessary facilities based on equipment requirements.
    - Equipment feasibility Study.
  3. **Paint Mixing Room Centralization July 2016-Present :**
    - Creation of Initial Design Input & Specification based on TKM requirements.
    - PMR optimized layout design and physical implementation.
    - Co-ordination between Seibi and supplier for design & commissioning of Paint Circulation System control and power panel.
    - Heat load estimation and integration of existing Temperature Control System with new PCS panel.
    - Active follow-up for schedule maintaining.
    - Risk assessment & planning for Mitigation.

- **Project Intern & Academic project -CFD SUITE FOR GENJET: JUNE-2015-MAY 2016**

1. My project is about Designing and conducting CFD analysis on the wing of light jet called GENJET

- **FSAE SUPRA-2016: AUGUST 2015 –JULY 2016:**

1. It involves Designing and manufacturing of an all new car.
2. I head the Engine and Power Train subsystem which involved the **Design, analysis & implementation** of the entire system.

- **FORMULA STUDENT: JAN 2016**

1. Implementation of transmission shafts.
2. Design and CFD analysis of intake manifold.

- **FSAE SUPRA-2015: APRIL-JULY 2015:**

1. A competition with an objective to **design & fabricate** a commercially sellable formula style car.
2. The car was placed
  - **2nd** overall among **91** teams all over India including the IIT's that participated.
  - **1<sup>st</sup>** in Autocross.
  - It also won the **Go Green Award** for Low Emission and Better Mileage
3. I headed the Engine and Power Train subsystem.

- **NGKC(NATIONAL GO-KART CHAMPIONSHIP)-2014:JUNE-OCT 2014**

1. Our team designed and built a go-kart along with **102** other teams.
2. Won the **Best captain award**.
3. The kart was placed **1<sup>st</sup>** during the **design** presentation, where I was responsible for transmission & brake **assembly**.
4. Detailed **CAD model** was created in **CATIA V5** and analysis was done in **hyper mesh**.

- **CODE FOR DESIGN OF STAGES OF AXIAL FLOW COMPRESSOR: JAN-APRIL 2015**

Involves code to calculate **3D blade angles** using **Free Vortex Theory** & **constant reaction** method based on initial design conditions. Learnt basics of gas turbine compressor design

- **EVALUATION OF FAILURE OF MEMBER USING MONTECARLO METHODS: NOVEMBER-2013:**

1. It involved comparing the probability of failure predicted by Monte Carlo method against a standard First Order Reliability Method (FORM) results.

- **ARDUINO CONTROLLED SOLAR TRACKER: MARCH 2013**

1. Involved Design of solar tracker controlled by Arduino microcontroller.

CERTIFICATION:

- **HONOUR CODE: EDX: MAR-JUNE 2014:**

1. Hypersonic flow-from shockwaves to scramjets -Queens Land University
2. Linear algebra foundation to frontiers- University of Texas System.

- Distinction Award from PESIT for all the semesters.

**SKILLS: MATLAB, CATIA V5, HYPERMESH, ANSYS, ICEM, FLUENT, XFLR5, EXCEL & Microsoft Office, GD&T.**

**HOBBIES AND OTHER INTERESTS:**

- Cycling & music.

**PERSONAL DETAILS**

Date of birth : 25-03-1994

Language known : English, Hindi, Kannada, Tulu

**DECLARATION**

I hereby declare that the information provided here is true and correct to best of my knowledge & belief.